

### Abstract

An ink suitable for application to a heat resistant substrate and firing to fuse the ink to the substrate, the ink being in a form for ink jet printing and comprises; a carrier material; a pigment; a fusible vitreous agent comprising particles of less than 10 microns in size, and the carrier having a melting point for phase change of the ink. The pigment comprises ceramic pigment particles of less than 10 microns in size and the pigment and fusible vitreous agent are combined in the form of ceramic pigment particles. Dispersant is chemisorbed to these particles.

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